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(54) Title: PREVENTION AND TREATMENT OF AMYLOIDOGENIC DISEASE

(57) Abstract: Disclosed are pharmaceutical compositions and methods for preventing or treating a number of amyloid diseases, including Alzheimer's disease, prion diseases, familial amyloid neuropathies and the like. The pharmaceutical compositions include immunologically reactive amounts of amyloid fibril components, particularly fibril-forming peptides or proteins. Also disclosed are therapeutic compositions and methods which use immune reagents that react with such fibril components.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K39/00 A61K39/385 A61K39/39 G01N33/68 A61K39/395
A61K48/00 A61P25/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
MEDLINE, LIFESCIENCES, EMBASE, CHEM ABS Data, SCISEARCH, BIOSIS, EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95 31996 A (MILKHAUS LAB) 30 November 1995 (1995-11-30) page 9, line 1-13 page 10, line 27 -page 12, line 15 examples 1,7,8,13-15 ---	1-25
A	US 5 441 870 A (SCHENK DALE B ET AL) 15 August 1995 (1995-08-15) column 3, line 61 -column 4, line 39 claims --- -/--	26-28

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
4 December 2000	22/12/2000

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Covone, M

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	WEN, G.Y.: "Alzheimer 's disease and risk factors" JOURNAL OF FOOD AND DRUG ANALYSIS 'J. FOOD DRUG ANAL.!, (19980600) VOL. 6, NO. 2, PP. 465-476. ISSN: 1021-9498., XP000971061 New York State Institute for Basic Research in Developmental Disabilities, 1050 Forest Hill Road, Staten Island, NY 10314, USA the whole document ---	1-57
A	SCHENK DALE B ET AL: "Therapeutic approaches related to amyloid-beta peptide and Alzheimer's disease." JOURNAL OF MEDICINAL CHEMISTRY, vol. 38, no. 21, 1995, pages 4141-4154, XP000971009 ISSN: 0022-2623 page 4142, left-hand column, paragraph 1 -right-hand column, paragraph 2 figure 2 ---	1-57
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P,X	WO 99 27944 A (ATHENA NEUROSCIENCES, INC., USA) 10 June 1999 (1999-06-10) examples claims ---	1-57
E	WO 00 43039 A (DURING MATTHEW JOHN) 27 July 2000 (2000-07-27) page 2, line 30 -page 3, line 30 page 15, line 21 -page 16, line 11 claims ---	1-25, 29-57
T	HELMUTH, L.: "Further progress on a beta -amyloid vaccine" SCIENCE (WASHINGTON) 'SCIENCE (WASH.)!, (20000721) VOL. 289, NO. 5478, P. 375. ISSN: 0036-8075., XP002154517 the whole document ---	1-25

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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T	BARD F ET AL: "Peripherally administered antibodies against amyloid beta- peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease." NATURE MEDICINE, (2000 AUG) 6 (8) 916-9. , XP002154518 the whole document	29-57

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